

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ming Lu et al.

Serial No.: Not Known Yet

Group Art Unit: Not Known Yet

Filed: 03/26/2003

Examiner: Not Known Yet

For: **REPAIR OF PHOTOLITHOGRAPHY MASKS BY SUB-WAVELENGTH****ARTIFICIAL GRATING TECHNOLOGY**

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as EXPRESS MAIL LABEL NO. EV 398572768 US addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

3/25/2004
DateChris Lambriodes
Chris LambriodesINFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Dear Sir:

Enclosed herewith is an Information Disclosure Statement pursuant to 37 CFR. § 1.56 in connection with the above-identified application, which statement is being filed:

- Together with the present application.
- Before the first Office Action on the merits or three (3) months from the filing date of this application, whichever occurs last. [37 CFR § 1.97(b)]
- After the first Office Action on the merits, but before a Final Office Action under §1.113 or Notice of Allowance under §1.311, whichever occurs first. [37 CFR § 1.97(c)]
- After a Final Office Action under §1.113 or Notice of Allowance under §1.311, but prior to or with payment of the Issue Fee. [37 CFR § 1.97(d)]

Consistent with Applicant's obligations pursuant to 37 CFR §§1.97 and 1.98, the following requirements have been met:

- No separate requirements are needed.
- No additional fee is required.

[] **Fee Under 37 CFR § 1.97(c)**

The fee of \$180.00 for submission of an IDS under § 1.97(c) as set forth in § 1.17(p) accompanies this statement.

[] **Fee Under 37 CFR § 1.97(d)**

The fee of \$180.00 for submission of an information disclosure statement under § 1.97(d) set forth in § 1.17(p) accompanies this statement.

[] **Certification Under 37 CFR § 1.97(e)**

- () Each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; or
- () No item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this statement.

Provision of Copies of References

- [X] A copy of each of the non-U.S. patent references listed on the attached Form PTO-1449 is enclosed herewith and forms a part hereof.
- [] Partial Translation is enclosed herewith and form a part hereof.
- [] A copy of the European Search Report from a corresponding or related EPO application is enclosed herewith.

A copy of the International Search Report from a corresponding or related PCT application is enclosed herewith.

Identification of Prior Application(s) In Which Listed Information Was Already Cited And For Which No Copies Are Submitted Or Need Be Submitted

This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior U.S. Application No(s). The following references were submitted to, and/or cited by, the Office in the prior application(s) and therefore are not required to be provided in this application:

The Commissioner is hereby authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account No. 04-1679. A duplicate copy of this transmittal is attached.

Respectfully submitted,

DATE: 3/26/04

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Substitute for form 1449/PTO

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 5

Application Number	Not Known Yet
Filing Date	03/26/2004
First Named Inventor	Ming Lu
Art Unit	Not Known Yet
Examiner Name	Not Known Yet

Attorney Docket Number N1085-00222

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AA	US- 4,340,654	07-20-1982	Campi		
AB	US- 4,609,556	09-02-1986	Goedert		
AC	US- 4,778,693	10-18-1988	Drozdowicz et al.		
AD	US- 4,906,326	03-06-1990	Amemiya et al.		
AE	US- 4,968,390	11-06-1990	Bard et al.		
AF	US- 5,018,212	05-21-1991	Manns et al.		
AG	US- 5,035,787	07-30-1991	Parker et al.		
AH	US- 5,194,344	03-16-1993	Cathey, Jr. et al.		
AI	US- 5,194,345	03-16-1993	Rolfson		
AJ	US- 5,208,125	05-04-1993	Lowrey et al.		
AK	US- 5,348,826	09-20-1994	Dao et al.		
AL	US- 5,384,219	01-24-1995	Dao et al.		
AM	US- 5,405,721	04-11-1995	Pierrat		
AN	US- 5,429,730	07-04-1995	Nakamura et al.		
AO	US- 5,440,426	08-08-1995	Sandstrom		
AP	US- 5,460,908	10-24-1995	Reinberg		
AQ	US- 5,569,392	10-29-1996	Miyoshi et al.		
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ ~Number ⁴ ~Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶

Examiner Signature Date Considered

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet 2 of 5

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		Number-Kind Code ² (if known)			
AT	US- 5,618,760		04-08-1997	Soh et al.	
AU	US- 5,623,365		04-22-1997	Kuba	
AV	US- 5,667,919		09-16-1997	Tu et al.	
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AX	US- 5,795,685		08-18-1998	Liebmann et al.	
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BA	US- 5,881,125		03-09-1999	Dao	
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BF	US- 6,030,731		02-29-2000	Yang	
BG	US- 6,037,087		03-14-2000	Pierrat et al.	
BH	US- 6,042,738		03-28-2000	Casey, Jr. et al.	
BI	US- 6,096,459		08-1-2000	Yang	
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		Number-Kind Code ² (if known)			
BM	US- 6,197,455		03-06-2001	Yedur et al.	
BN	US- 6,262,791		07-17-2001	Powell	
BO	US- 6,277,526		08-21-2001	Yang	
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CB	US- 6,447,962		09-10-2002	Yang	
CC	US- 6,462,874		10-08-2002	Soskind	
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		First Named Inventor	Ming Lu
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Sheet	14	of	5

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Art Unit	Not Known Yet
Examiner Name	Not Yet Assigned
Attorney Docket Number	N1085-00222

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CH	Lalanne, Philippe et al, "The optical properties of artificial media structured at a subwavelength scale", Floating Images Ltd., Hampton, TW12 3JU, United Kingdom	
	CI	Ohlidal, I. et al., "Matrix Formalism For Imperfect Thin Films", Acta Physica Slovaca, Vol. 50, No. 4, Pages 489-500, August 2000	
	CJ	Richter, Ivan et al., "Design considerations of form birefringent microstructures", Applied Optics, Vol. 34, No. 14, Pages 2421-2429, May 10, 1995	

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